

Appendix B: Facility Conditions Index Report

DRAFT

Combined Condition Assessment

Mumford High School

17525 Wyoming Street, Detroit, Michigan



February 2017



Executive Summary

This Combined Condition Assessment is the product of a collaborative site assessment and survey by the Department of Technology Management and Budget, State Facilities Administration (SFA) and the Department of Licensing and Regulatory Affairs (LARA) Bureau of Construction Codes at the request of the State School Reform/Redesign Office (SRO).

It has been designed to provide a general condition overview of the facility and major site assets. A team visits the site and collects data to determine two factors in eight facilities categories:

Factors:

- **Remaining Service Life** of Facility Elements or Systems which is then utilized to calculate an **Age-Based Condition Index**.
- **Operating Condition** based upon visual observations the day of the visit along with supporting information/records provided by staff or contact personnel.
- Results of the two factors above are averaged/combined to produce a single **Combined Condition Score (CCS)** for the site.

Facilities Categories:

- Structure – Foundation, Parking Lots, Sidewalks, Access
- Exterior – Walls, Windows, Stairways, Doors
- Roofing – Roofing Type and Condition
- HVAC – Air Handlers, Boilers, Chillers, Gas Piping, Cooling Towers, Pumps, Exhaust, etc.
- Electrical – Service & Distribution, Lighting, Emergency Generator, Fire Alarm, Kitchen
- Plumbing – Restrooms, Backflow, Domestic Water/Heating, Distribution, Fire System
- Conveying – Elevators, Lifts
- Interior Construction – Doors, Stairways, Walls, Ceilings, Flooring

Results:

The Mumford High School assessment was performed on **February 16, 2017** by the LARA team and resulted in a **CCS** of: **84.9**

Combined Condition Score (CCS)

There are many ways to measure physical condition of a facility. Performing full, detailed assessments necessary to calculate a Facility Condition Index (FCI), Extended Facility Condition Index (EFICI) or Facilities Needs Index (FNI) are very demanding in terms of input resources up front. This project required an efficient, lean approach whereby an assessment team could move through occupied space quickly with minimal disruption while collecting data. The output needed to be measurable and consistent. While additional information such as annual

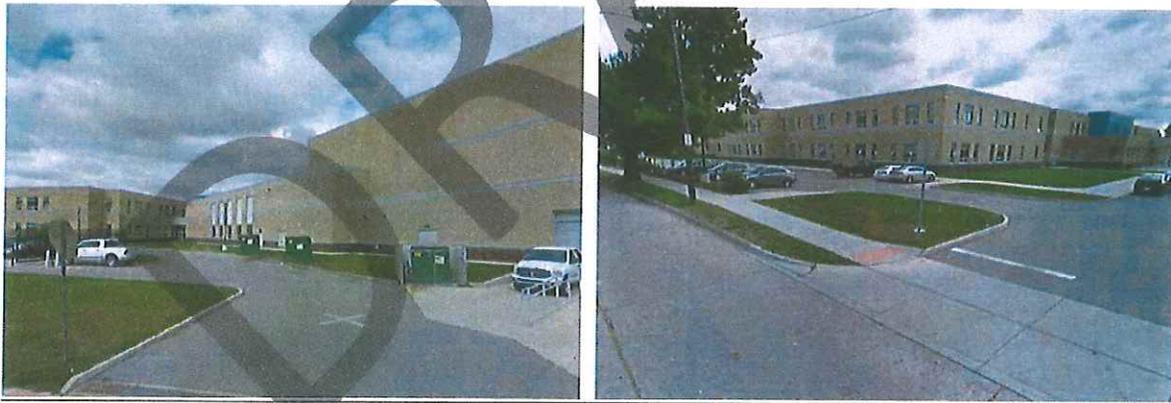
reinvestment rates and replacement costs may also be desirable, these were outside the scope of this first visit.

The DTMB State Facilities Administration (SFA), Building Operations Division assesses buildings within their own portfolio for capital planning purposes. These assessments may be age-based, where the age of building elements or assets are compared to their respective design-life; or observed-condition-based where defects and site conditions are observed and rated.

The Combined Condition Score is a combination of both the age-based condition index and observed condition, equally weighted and averaged together resulting in a number between 0 and 100. This number will be indicative of overall facility condition and can be used to order facilities by respective condition relative to others.

- A score of 100 indicates a brand new, unoccupied facility with no construction defects and no code violations.
- A score of 0 indicates a very old facility with no usable architectural elements or attached assets.
- Realistically speaking, all occupied buildings will score more than zero and less than 100.
- The lower the score, the less cost effective to operate the building. A good rule-of-thumb is when the score falls below 34, equivalent annual cost to replace a facility will be less than continuing to operate and maintain the existing facility.

Building Exterior



Building Interior



Site Narrative

The assessment team completed the site visit/inspection on February 16, 2017. The Team reviewed the exterior of the building including roofing, exterior walls and outdoor mechanicals. The team then moved inside and reviewed interior finishes and mechanicals including but not limited to, walls and ceilings, foundations, boiler heating, plumbing, HVAC systems and electrical systems in the building. The following was validated/noted during the inspection with site personnel:

- The site was originally constructed in 2012.
- The building is primarily 2-story and elevators are present.
- Parking lots are in good condition.
- All areas reviewed were well maintained and in good overall condition.

The full Combined Condition Assessment is as follows:

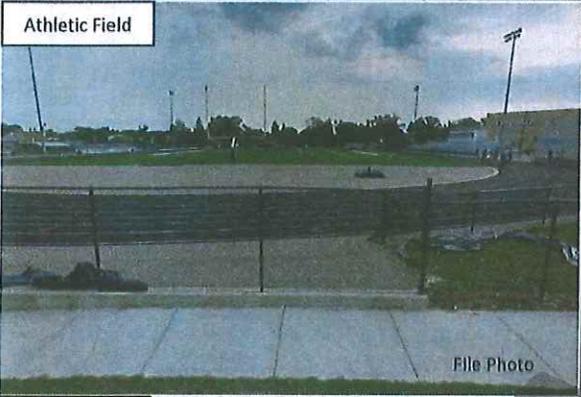
BUILDING NAME: Mumfords High School

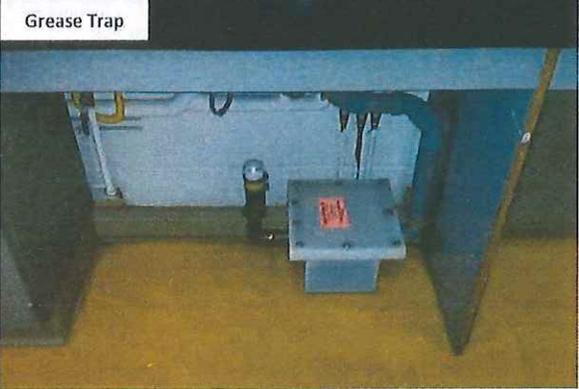
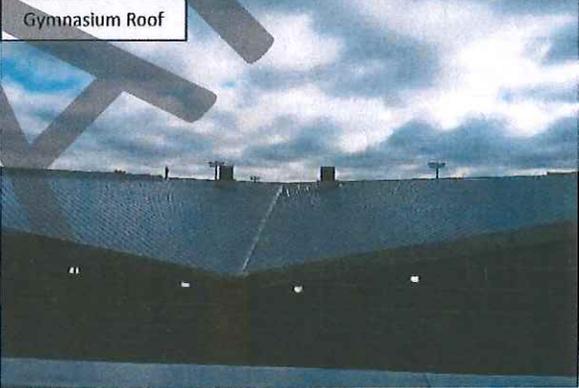
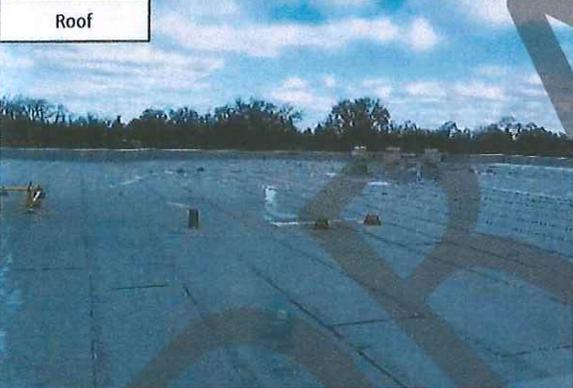
BUILT: 6/1/2012

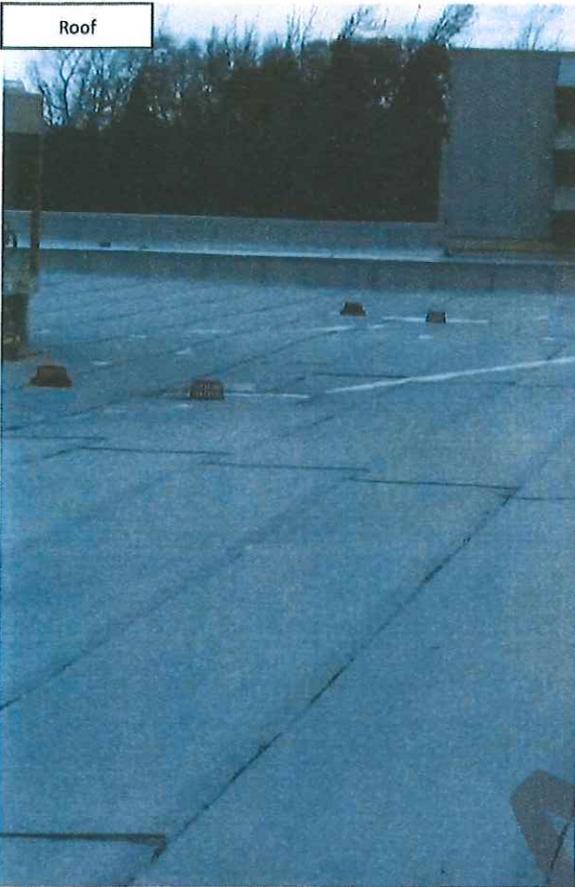
ASSESSMENT DATE: 2/16/2017

CATEGORY STRUCTURE	SUB-CATEGORY	TYPE	INSTALLED DATE	SERVICE LIFE	(YEARS)		AGE-BASED CONDITION INDEX	INSPECTED OPERATING CONDITION	COMMENTS
					AGE	REMAINING SERVICE LIFE			
EXTERIOR	FOUNDATION		6/1/2012	75.0	4.7	70.3	95.4	75.0	
	PARKING LOTS		6/1/2012	15.0	4.7	10.3	90.1	75.0	
	PEDESTRIAN PAVING		6/1/2012	25.0	4.7	20.3	96.4	75.0	
ROOF	WALLS		6/1/2012	70.0	4.7	65.3	98.7	75.0	
	WINDOWS		6/1/2012	30.0	4.7	25.3	97.5	75.0	
	STAIRWAYS		6/1/2012	75.0	4.7	70.3	99.6	75.0	
	DOORS		6/1/2012	35.0	4.7	30.3	98.2	75.0	
HYAC	ROOF COVERING		6/1/2012	20.0	4.7	15.3	94.4	75.0	
			6/1/2012	20.0	4.7	15.3	94.4	75.0	
ELECTRICAL	AIR HANDLING UNITS		6/1/2012	20.0	4.7	15.3	95.3	75.0	
	BOILERS		6/1/2012	30.0	4.7	25.3	97.5	75.0	
	CHILLERS		6/1/2012	30.0	4.7	25.3	97.5	75.0	
	GAS PIPING SYSTEMS		6/1/2012	75.0	4.7	70.3	99.6	75.0	
	COOLING TOWERS		6/1/2012	15.0	4.7	10.3	90.1	75.0	
	PUMPS		6/1/2012	20.0	4.7	15.3	94.4	75.0	
	EXHAUST SYSTEMS		6/1/2012	20.0	4.7	15.3	94.4	75.0	
	WALK IN FREEZERS		6/1/2012	20.0	4.7	15.3	94.4	75.0	
	WALK AND POOL HEATERS		6/1/2012	20.0	4.7	15.3	94.4	75.0	
	COOLING PIPING		6/1/2012	75.0	4.7	70.3	99.6	75.0	
	ELECTRICAL SERVICE/DISTRIBUTION		6/1/2012	50.0	4.7	45.3	95.7	75.0	
	LIGHTING		6/1/2012	30.0	4.7	25.3	99.1	75.0	
	EMERGENCY GENERATOR		6/1/2012	30.0	4.7	25.3	94.4	75.0	
	KITCHEN EQUIPMENT		6/1/2012	30.0	4.7	25.3	97.5	75.0	
INTERCOM / PA EQUIPMENT		6/1/2012	20.0	4.7	15.3	94.4	75.0		
FIRE ALARM SYSTEM		6/1/2012	20.0	4.7	15.3	94.4	75.0		
PLUMBING	RESTROOMS		6/1/2012	30.0	4.7	25.3	94.2	75.0	
	BACKFLOW PREVENTERS		6/1/2012	30.0	4.7	25.3	97.5	75.0	
	GENERAL		6/1/2012	35.0	4.7	30.3	77.6	75.0	
	FOOD SERVICE		6/1/2012	35.0	4.7	30.3	98.2	75.0	
	DOMESTIC WATER HEATING		6/1/2012	15.0	4.7	10.3	90.1	75.0	
	WATER DISTRIBUTION		6/1/2012	75.0	4.7	70.3	99.6	75.0	
	FIRE SUPPRESSION		6/1/2012	40.0	4.7	35.3	98.6	75.0	
	ELEVATORS		6/1/2012	25.0	4.7	20.3	96.4	50.0	
			6/1/2012	25.0	4.7	20.3	96.4	50.0	
			6/1/2012	40.0	4.7	35.3	98.2	75.0	
INTERIOR CONSTRUCTION	DOORS		6/1/2012	40.0	4.7	35.3	98.2	75.0	
	STAIRWAYS		6/1/2012	50.0	4.7	45.3	99.1	75.0	
	WALLS		6/1/2012	75.0	4.7	70.3	99.6	75.0	
	CEILINGS		6/1/2012	20.0	4.7	15.3	94.4	75.0	
	FLOORS		6/1/2012	50.0	4.7	45.3	99.1	75.0	

BUILDING EXTERIOR FT ²	AVERAGE		COMBINED CONDITION SCORE	
239,500	SERVICE LIFE	REMAINING SERVICE LIFE	CONDITION INDEX	73.4
	35.7	28.3	96.4	
				84.9



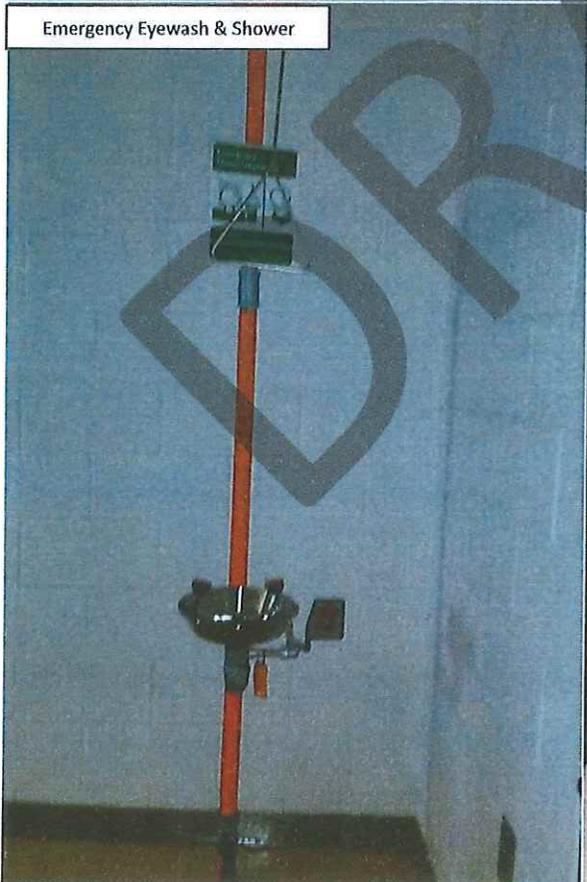




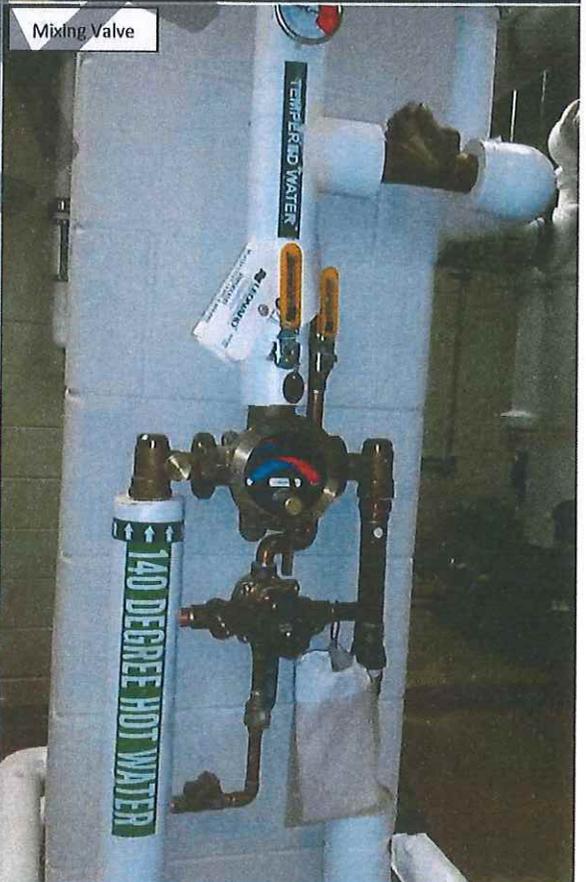
Roof



Lab Sink



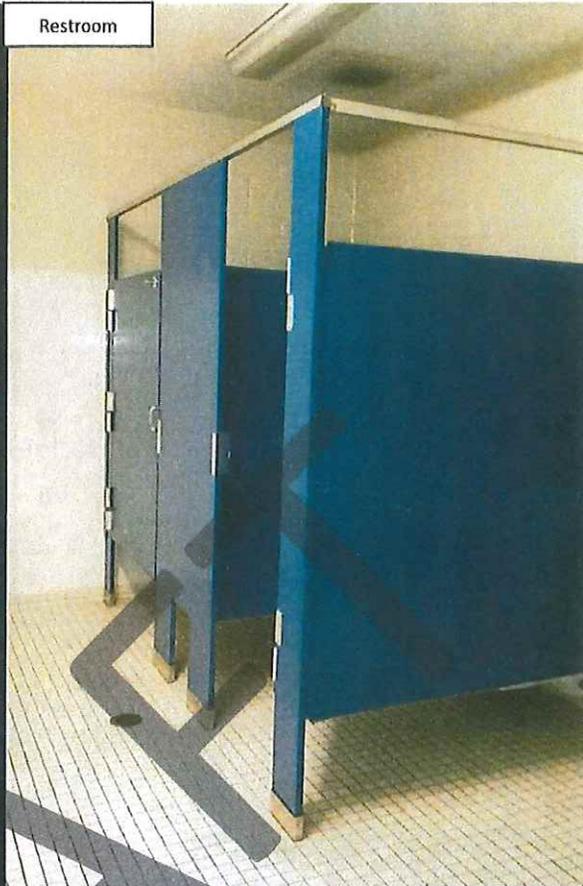
Emergency Eyewash & Shower



Mixing Valve



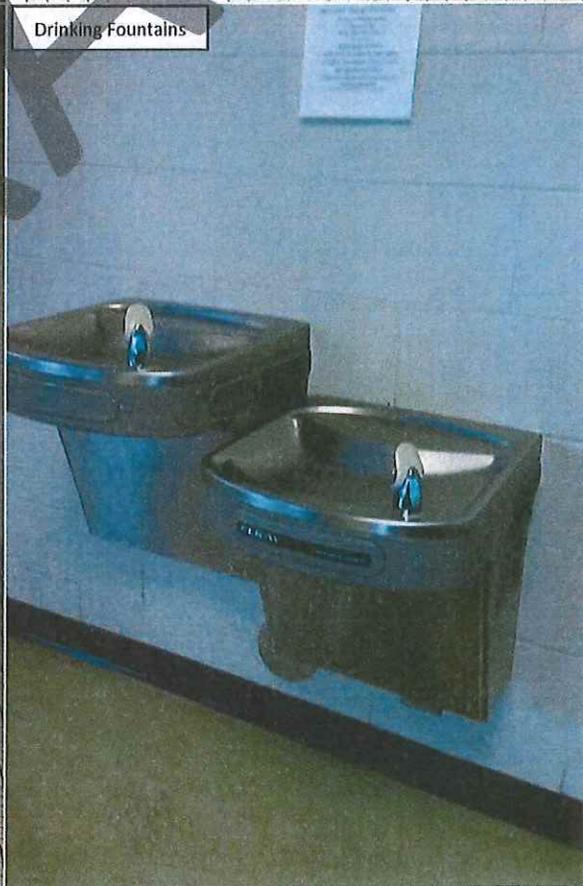
Restroom



Restroom



Restroom



Drinking Fountains

Generator Controls



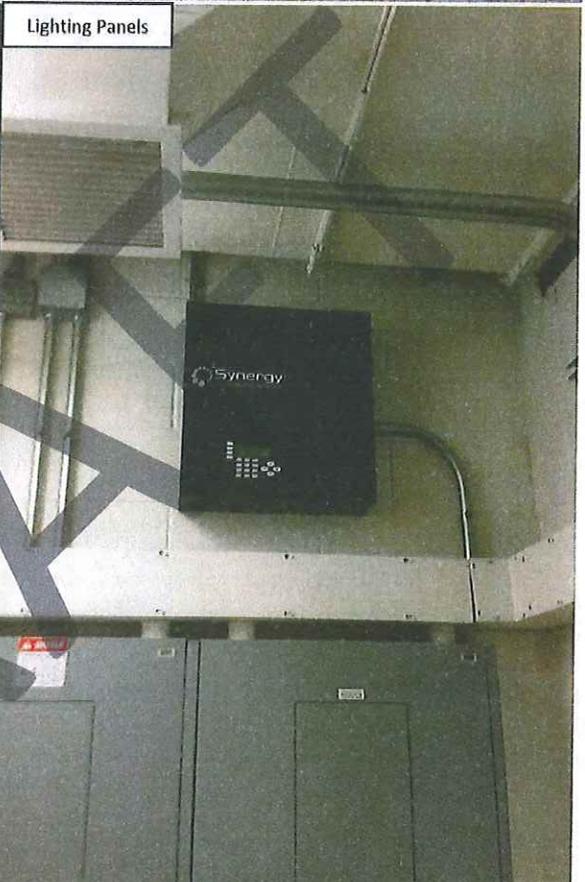
Generator



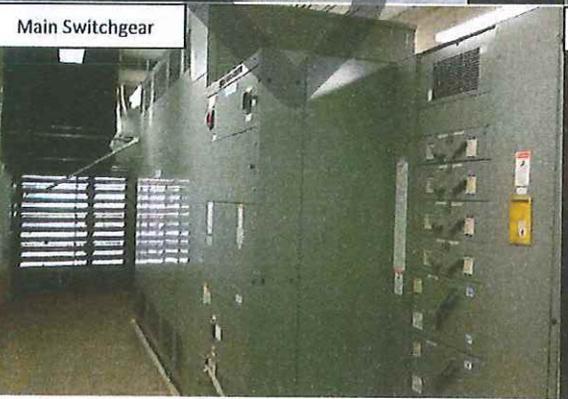
Inspection Tags



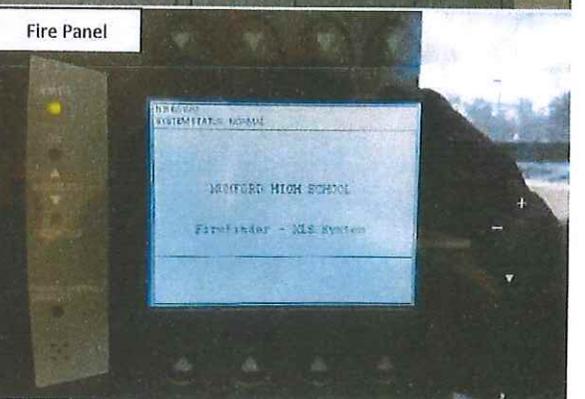
Lighting Panels



Main Switchgear



Fire Panel



BUILDING

4	NEW	New or like-new condition; no issues to report; no expected failures	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME
3	GOOD	Good condition; no reported issues or concerns	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days		BUILDING
1	POOR	Worn from use and of expected lifecycle	Violations-45 days	2/16/2017	SURVEY DATE
0	CRITICAL	Extremely worn or damaged	Violations / Imminent danger or inoperable	John M. Tisdale	SURVEYOR
			4 3 2 1 0	COMMENTS / RECOMMENDED ACTION	
Civil					
	Perimeter Fencing				
	Paving Parking Lot (Asphalt / Concrete)				
	Curbing				
	On-Site Signage				
	Pedestrian Access (Michigan Barrier Free & Safety)				
Site Facilities					
	Loading Dock				N/A
Michigan barrier free Compliance					
	Handicap Parking				
	Accessible Entry				
	Exterior Ramps and walks				
	Barrier free route (ROW - Sidewalk to Bldg. Entry)				
	Building Entry				
Foundation/Footings					
	Structure				
Columns/Beams/Walls					
	Structure				
	Applied Fireproofing Systems				
Roofing					
	Roof Openings (Skylights)				N/A
	Roof Openings (Access)				
	Roof Equipment Curbing				
	Leakage				
	Ponding Water				
	Roof Drains				
	Gutters / Downspouts				
Exterior Walls					
	Exterior Finish				

BUILDING

4	NEW	New or like-new condition: no issues to report; no expected failures or concerns	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME
3	GOOD	Good condition; no reported issues or concerns	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days	2/16/2017	BUILDING
1	POOR	Worn from use and/or expected lifecycle	Violations-45 days	John M. Tisdale	SURVEYOR
0	CRITICAL	Extremely worn or damaged	Violations / Imminent danger or inoperable	COMMENTS / RECOMMENDED ACTION	
	Expansion / Control Joints		4 3 2 1 0		
	Thermal Condition		3		
	Soffits		3		
	General Appearance		3		
	Doors / Windows / Louvers				
	Windows		3		
	Louvers and Vents		3		
	Main Entry Doors		3		
	Main Entry Hardware		3		
	Other Exterior Doors		3		
	Other Exterior Door Hardware		3		
	General				
	Wall Finishes (Classrooms)		3		
	Wall Finishes (Corridors)		3		
	Wall Finishes (Restrooms)		3		
	Wall Finishes (Others)		N/A		
	Ceilings		3		
	Cabinetry		3		
	Moveable / Operable Walls		N/A		
	Interior Doors				
	Door & Frame Condition		3		
	Hardware Condition		3		
	Hallway Fire Door		3		
	Cafe / Concession Security Gates / Roll-up Doors		N/A		
	Flooring				
	ACT		N/A		
	Drywall		N/A		
	Other		N/A		
	Carpet		3		

BUILDING

4	NEW	New or like-new condition; no issues to report; no expected failures or concerns	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME
3	GOOD	Good condition; no reported issues or concerns	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS
2	FAIR	Average wear for building age; not new but no issues	Violations<90 days		BUILDING
1	POOR	Worn from use and of expected lifecycle	Violations<45 days	2/16/2017	SURVEY DATE
0	CRITICAL	Extremely worn or damaged	Violations / imminent danger or inoperable	John M. Tisdale	SURVEYOR
			4 3 2 1 0	COMMENTS / RECOMMENDED ACTION	
VCT					
Tile					
Terrazzo					
Wood					N/A
Sealed Concrete					N/A
Stairs					
Landing finish					
Stair treads					
Stair nosings					
Handrails					
Toilet Rooms					
Flooring					
Walls					
Signage					

*** Any violations reported in this school assessment were not given to the facility as violations to be corrected in order to maintain the certificate of occupancy for the facility. Any violations reported in this school assessment were not cited as part of a school safety inspection, they are strictly for the use of the assessment report.

MECHANICAL

4	NEW	New or like-new condition: no issues to report; no expected failures	No issues / Violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME
3	GOOD	Good condition: no reported issues or concerns	No issues / Violations or adverse conditions other than new	17525 Wyoming	ADDRESS
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days		BUILDING
1	POOR	Worn from use -end of expected lifecycle	Violations-45 days	2/16/2017	SURVEY DATE
0	CRITICAL	Extremely worn or damaged	Violations / Imminent danger or inoperable	J. Paradine	SURVEYOR
4				COMMENTS / RECOMMENDED ACTION	
Gas System					
	Piping				
	Other (Vented Interior Regulators)				
	Gas PRV (Proximity to OA intakes)		N/A		
	Science Classroom Emergency Off Switch		N/A		
Cooling Plant					
	Distribution Piping (2 pipe or 4-pipe)				
	Chillers (Age, Refrigerant, Heat Rejection Method)				
	Cooling Towers (Age, Materials, VFD, Sufficiency)				
	CHW Pump Volute Insulation type (foamglass, Armaflex, phenolic foam, fiberglass, mineral wool)				
	Plant Piping & Valves (Corroded/Isolation valves)				
	Chilled Water Pipe Insulation & Jacket (Foamglass Armaflex)				
	Campus Piping & Valves (Corroded/Isolation valves)				
	Refrigeration Room Monitoring and Ventilation		N/A		
Heating Plant					
	Boilers (Age, Fuel Type, Input/Output)				
	Pumps (VFD / Sound / Suction Pressure)				
	Plant Piping & Valves (Corroded/Isolation valves)				
	Campus Piping & Valves (Corroded/Isolation valves)				
	Boiler Room E-Stop				
Dedicated Airside Heating Systems					
	Heating-Only Air Handling Units (Age)				
	Duct Furnaces (Fuel, Type, Age, Mission)		N/A		
	Unit Heaters (Fuel, Type, Age, Mission)				
	Heating-Only Unit Ventilators (year, condition)				
Air Distribution					
	Outside Air Units (Age, HR Type, ERV, Unitary, VAV)				
	Roof-top ACUs (Age, Gas Heat or Heat Pump)				

MECHANICAL

4	NEW	New or like-new condition: no issues to report; no expected failures	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME
3	GOOD	Good condition: no reported issues or concerns	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days		BUILDING
1	POOR	Worn from use -any of expected lifecycle	Violations-45 days	2/16/2017	SURVEY DATE
0	CRITICAL	Extremely worn or damaged	Violations / imminent danger or inoperable	J. Paradine	SURVEYOR
			4 3 2 1 0	COMMENTS / RECOMMENDED ACTION	
	Central Station AHUs (Age, Type/Geometry, VAV, typ. SAT dual path unit)				
	Terminal Units (VAV, VAV/reheat, Heat source, Close-off VAV, SFPU, PFPU)				
Exhaust Systems					
	Restrooms		3		
	Locker Rooms		3		
	Kitchen	Hood Systems (Grease or Heat only, Ansul system, Heat sensor start)	3		
		Exhaust Fan Outlet height (Is it <40")			N/A
	Science	Room Emergency Exhaust (Operation)			N/A
		Fume Exhaust (Latest year certified, sash height, manifolded, VAV, fan location)			N/A
		Stack outlet height (is it <10')			N/A
	Art Kiln	Exhaust Fan / Exhaust Hood			N/A
Refrigeration Systems					
		Freezer Systems (Age, Location, Refrigerant)	3		
		Cooler Systems (Age, Location, Refrigerant)	3		
Indoor Swimming Pool Systems					
		Vent and Pool Heater	3		
Fire Alarm System and Fire Suppression					
		Fire suppression	3		

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PLUMBING

4	NEW	New or like-new condition; no issues to report; no expected failures	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME
3	GOOD	Good condition; no reported issues or concerns	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days		BUILDING
1	POOR	Worn from use and/or expected lifecycle	Violations-45 days	2/16/2017	SURVEY DATE
0	CRITICAL	Extremely worn or damaged	Violations / Imminent danger or inoperable	Kole Myers	SURVEYOR
			4 3 2 1 0	COMMENTS / RECOMMENDED ACTION	
Site Utilities					
	Backflow Preventer				
	Water Service Piping				
Roofing					
	Roof Drains (piping)				
Toilet Rooms					
	Toilet Partitions				
General					
	Custodial Closets (Mop Sinks)				
	Laboratory Sinks		2		
	Eyewash / Emerg. Shower (Tepid Water)		2		
	Showers (Self metering, Shutoff)		3		
	Kitchen (POU Grease, Interceptor)		3		
	Grease (Indoor/outdoor, Interceptor)		3	N/A	
	Water Fountains (Self contained water cooler, bubbler)		3		
	Sewer Ejector systems		3		
	Dilution Tanks (Science Classrooms/Neutralization tanks)		3	N/A	
	DWW		3		
Restrooms					
	Water Closets		3		
	Urinals		3		
	Lavatories / Sinks		3		
Water Distribution					
	Water Distribution Piping		3		
	Water Heaters (Separate from Bldg. Heating / Kitchen)		3		
	Water Meter		3		
Food Service					
	SS Sinks		3		
	Mop Sinks			2	

PLUMBING

4	NEW	New or like-new condition; no issues to report; no expected failures or concerns	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME			
3	GOOD	Good condition; no reported issues or concerns	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS			
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days		BUILDING			
1	POOR	Worn from use and of expected lifecycle	Violations-45 days	2/16/2017	SURVEY DATE			
0	CRITICAL	Extremely worn or damaged	Violations / Imminent danger or inoperable	Kole Myers	SURVEYOR			
COMMENTS / RECOMMENDED ACTION								
	Water and Drains		4	3	2	1	0	
Domestic Water Heating								
	Dedicated Heater for Kitchen		3					
	Recirculation Pump (Operating- Yes/No)		3					

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BOILER

4	NEW	New or like-new condition; no issues to report; no expected failures or concerns	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME			
3	GOOD	Good condition; no reported issues	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS			
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days		BUILDING			
1	POOR	Worn from use and/or expected lifecycle	Violations-45 days	2/16/2017	SURVEY DATE			
0	CRITICAL	Extremely worn or damaged	Violations / imminent danger or inoperable	J. Paradine	SURVEYOR			
			4	3	2	1	0	COMMENTS / RECOMMENDED ACTION

Heating Plant

Boilers (Age, Fuel Type, Input/Output)	3				
Pumps (VFD / Sound / Suction Pressure)	3				
Plant Piping & Valves (Corroded/Isolation Valves)	3				

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ELEVATOR

4	NEW	No issues / violations or adverse conditions / less than 3 years old	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME		
3	GOOD	New or like-new condition; no issues to report; no expected failures or concerns	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS		
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days		BUILDING		
1	POOR	Worn from use and of expected lifecycle	Violations-45 days	2/16/2017	SURVEY DATE		
0	CRITICAL	Extremely worn or damaged	Violations / Imminent danger or inoperable	J. Paradine	SURVEYOR		
		4	3	2	1	0	COMMENTS / RECOMMENDED ACTION
Elevator State Serial Number:							
	Machine Room Equipment						
	Door Operators and Operating Equipment						
	Interior Cab / Signage / Emerg. Phone						
	Hoistway Pit						
	Landing Fixtures						
	Operating Condition						
	Ropes / Hoisting Equipment						
	Hoistway Equipment						
	Fire and Emergency Service						

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ELECTRICAL

4	NEW	New or like-new condition: no issues to report; no expected failures	No issues / violations or adverse conditions / less than 3 years old	Mumford High School	SCHOOL NAME
3	GOOD	Good condition; no reported issues or concerns	No issues / violations or adverse conditions other than new	17525 Wyoming	ADDRESS
2	FAIR	Average wear for building age; not new but no issues	Violations-90 days		BUILDING
1	POOR	Worn from use-end-of-expected lifecycle	Violations-45 days	2/16/2017	SURVEY DATE
0	CRITICAL	Extremely worn or damaged	Violations / imminent danger or inoperable	Lance Ash	SURVEYOR

Electrical Supply

Service Switchgear/Electrical Service (Observed Condition)	3				
District-owned Site Transformers (Observed Condition)	3				
Motor Control Centers	3				

Electrical Distribution

Equipment	3				
Panelboards (Condition & Capacity)	3				
Feeders (Observed Condition)	3				
Devices (Switches & Receptacles)	3				
TSS - Surge Suppression	3				N/A
Transformers	3				

Lighting

Classroom (Instructional)	3				
Corridor / Common Areas	3				
Restrooms	3				
High Bay Areas	3				
Emergency (Condition & Code Compliance)	3				
Exterior Perimeter (Building Mounted)	3				
Lighting Controls (Building Level)	3				Outside lights are being controlled by a timer

Other

Kitchen Equipment Supply	3				
Emergency Generator (Observed Condition)	3				In the event of a power loss the
Intercom / PA Systems (Observed Condition)	3				
Fire Alarm System (Observed Condition)	3				

*** Any violations reported in this school assessment were not given to the facility as violations to be corrected in order to maintain the certificate of occupancy for the facility. Any violations reported in this school assessment were not cited as part of a school safety inspection, they are strictly for the use of the assessment report.

Appendix C: School Quality Maps

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Mumford HS: Qualified Schools Within 5 Miles



February 18, 2017

- Est. Service Area
- Most Grades (PK-12)
- Selected School: Mumford High School
- High School

0 1.25 2.5 5 mi

0 2 4 8 km

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

Mumford HS: Qualified Schools Within 10 Miles

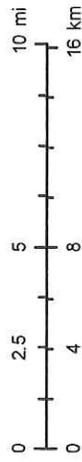


February 18, 2017

 Est. Service Area  Most Grades (PK-12)

Schools
 High School

 Selected School: Mumford High School



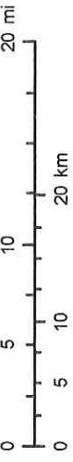
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

Mumford HS: Qualified Schools Within 15 Miles



February 18, 2017

Est. Service Area



Schools

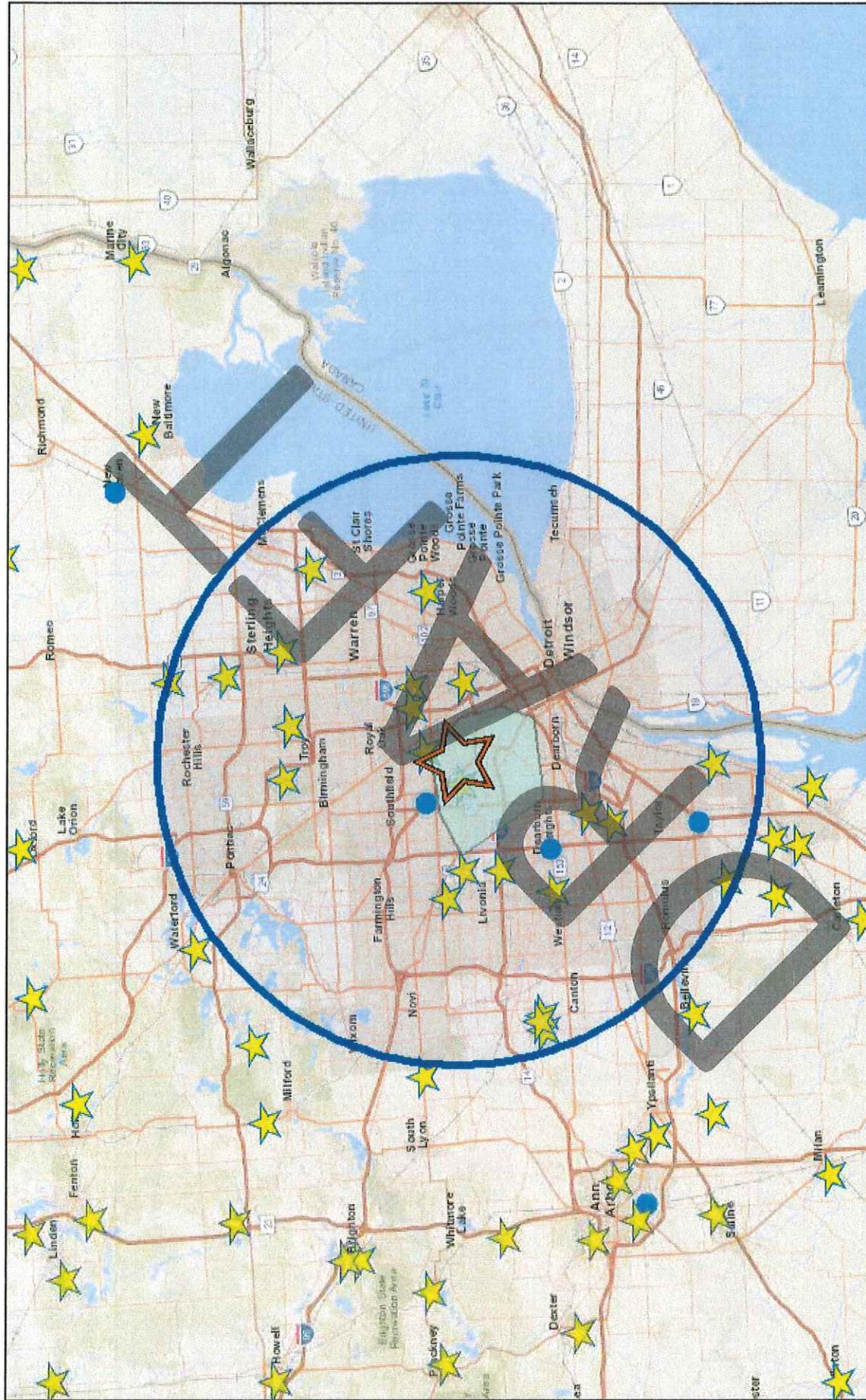
High School

Most Grades (PK-12)

Selected School: Mumford High School

Sources: Est. HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand).

Mumford HS: Qualified Schools Within 20 Miles



February 18, 2017

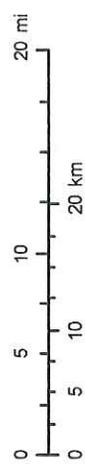
Est. Service Area Most Grades (PK-12)

Schools



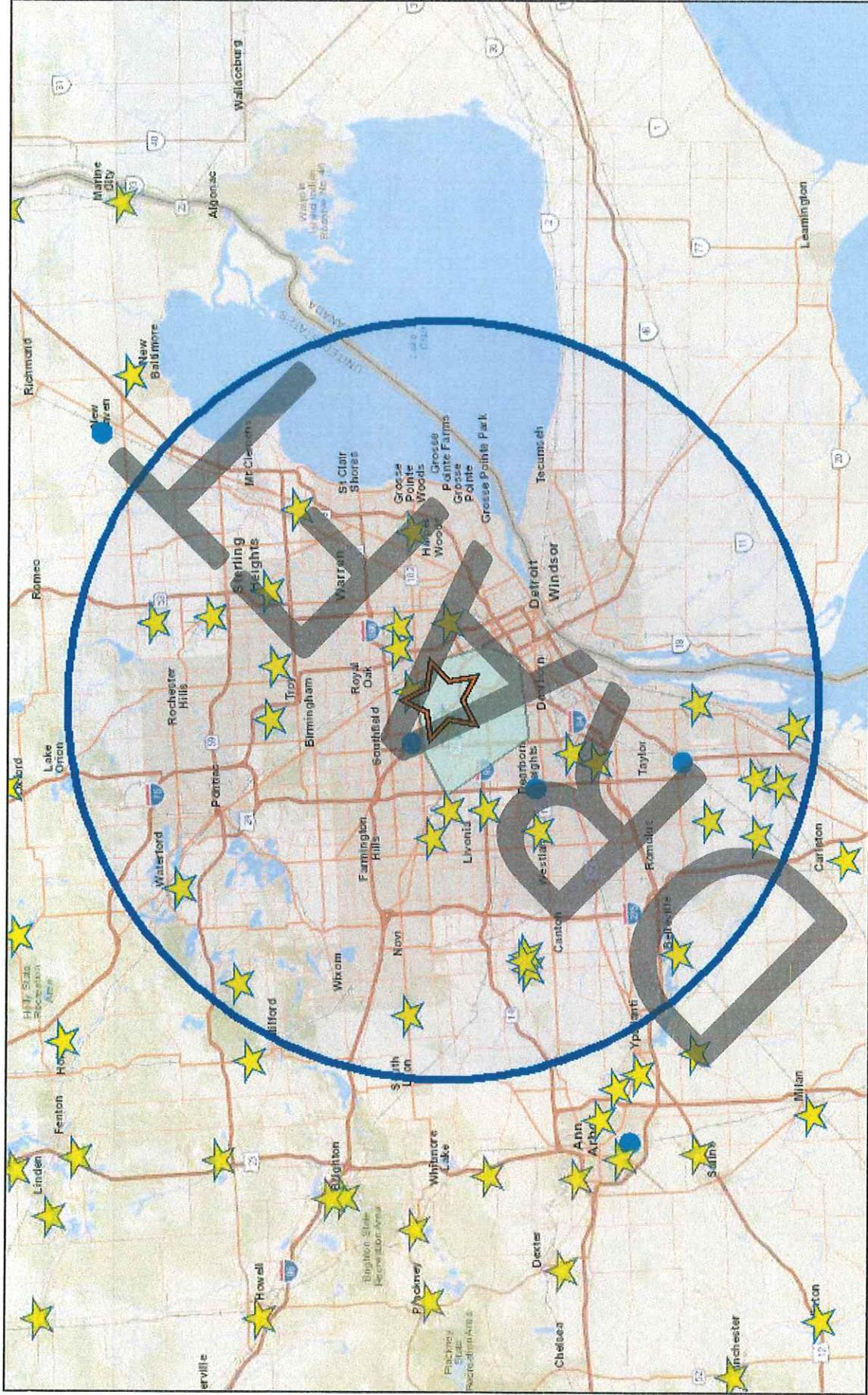
Selected School: Mumford High School

High School



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

Mumford HS: Qualified Schools Within 25 Miles



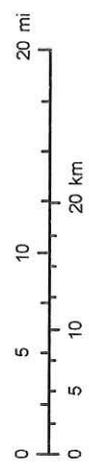
February 18, 2017

Est. Service Area

High School

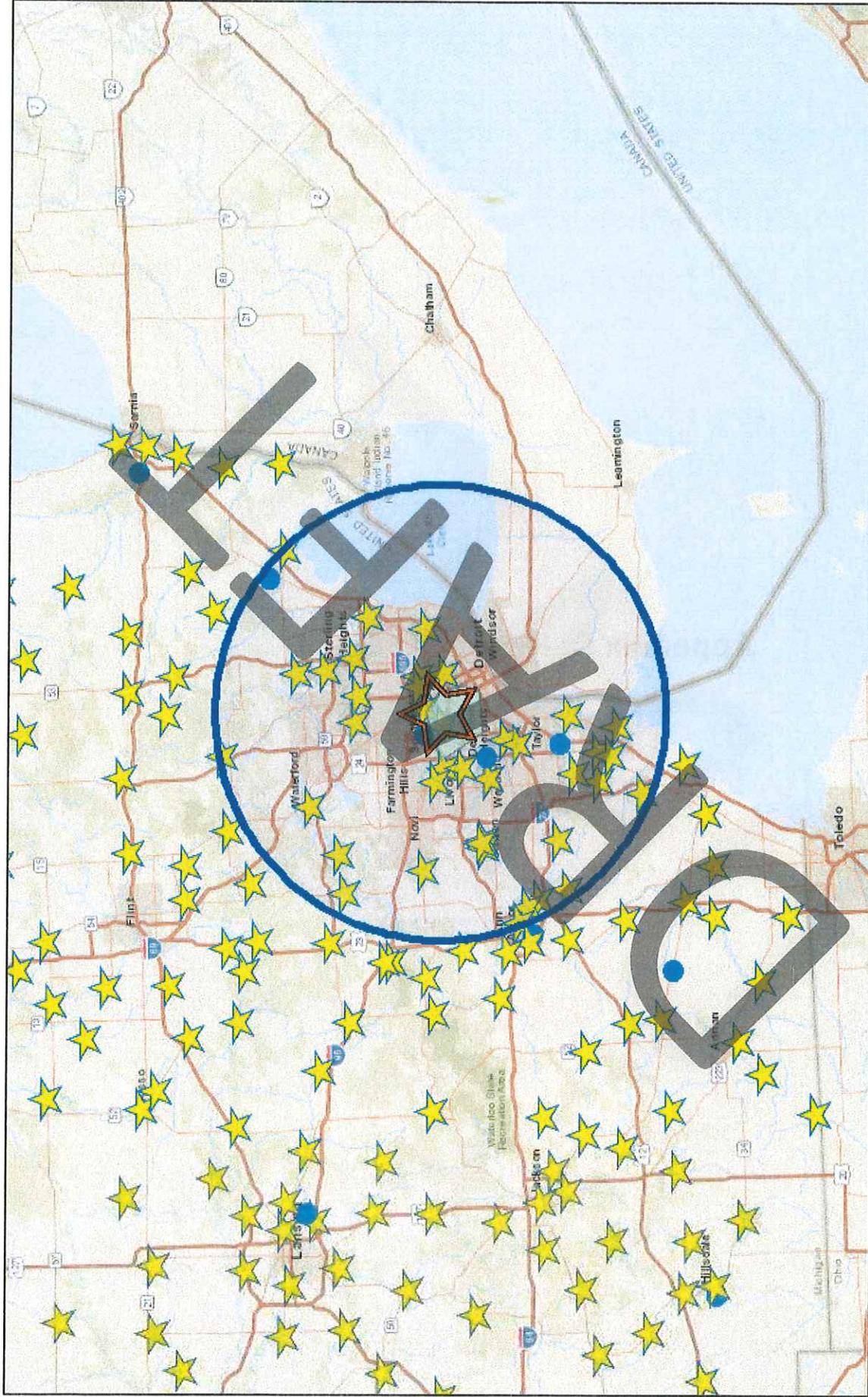


Selected School: Mumford High School



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

Mumford HS: Qualified Schools Within 30 Miles

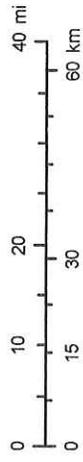


February 18, 2017

Est. Service Area Most Grades (PK-12)

Schools Selected School: Mumford High School

High School



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

Appendix D: Financial Impact

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Appendix D: Financial Impact

Schools Identified for the Next Level of Accountability Outstanding Obligations	
Education Achievement Authority of Michigan	
Loan Balance	Maturity
DOES NOT PARTICIPATE IN MFA SAN	

Source: Michigan Department of Treasury via the Michigan Finance Authority

Schools' Potential Losses from School Closures						
Schools	Allowance	Student Count (Losing)	Foundation (Losing)	Student Count (Total)	Foundation (Total)	% of Foundation
Burns Elementary-Middle School	\$ 7,552.00	468.00	\$ 3,534,336.00	5,079.94	\$ 38,363,706.88	9.21%
Denby High School	\$ 7,552.00	604.00	\$ 4,561,408.00	5,079.94	\$ 38,363,706.88	11.89%
Ford High School	\$ 7,552.00	435.00	\$ 3,285,120.00	5,079.94	\$ 38,363,706.88	8.56%
Law Elementary School	\$ 7,552.00	585.00	\$ 4,417,920.00	5,079.94	\$ 38,363,706.88	11.52%
Mary McLeod Bethune Elementary-Middle School	\$ 7,552.00	532.00	\$ 4,017,664.00	5,079.94	\$ 38,363,706.88	10.47%
Mumford High School	\$ 7,552.00	742.00	\$ 5,603,584.00	5,079.94	\$ 38,363,706.88	14.61%

Appendix C: Financial Impact (continued)

Education Achievement Authority of Michigan						
Schools' Potential Losses from School Closures						
Schools	Allowance	Student Count (Losing)	Foundation (Losing)	Student Count (Total)	Foundation (Total)	% of Foundation
Pershing High School	\$ 7,552.00	329.00	\$ 2,484,608.00	5,079.94	\$ 38,363,706.88	6.48%
Southeastern High School	\$ 7,552.00	284.00	\$ 2,144,768.00	5,079.94	\$ 38,363,706.88	5.59%
TOTAL	\$ 7,552.00	3,979.00	\$ 30,049,408.00	5,079.94	\$ 38,363,706.88	78.33%
EAA 2016 Federal Revenues	General Fund	\$ 22,381,136.39				
	Total	\$ 22,381,136.39				

Source: Michigan Department of Treasury